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GRADATION FOR GSB
(As per MORT&H 400-1,Grading-II)

Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	:	M/s Tejus Consultants
Contractor	:	Sri.A G Narayana Swamy.
Date of Testing	:	09-05-2022
Type of Mix	:	GSB
Sample I/D	:	GSB1

Sample Location:	Noor Nagar main Road	**Date of Sampling:**	08-05-2022	
		Date of testing:	09-05-2022	
Type of material & Purpose:	GSB	**Oven Dry Wt.(gms):**	10000.0	

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
75	0	0	0.00	100.00	-
53	0	0	0.00	100.00	100.00
26.5	2243	2243	22.43	77.57	70-100
9.5	2455	4698	46.98	53.02	50-80
4.75	891	5589	55.89	44.11	40-65
2.36	1201	6790	67.90	32.10	30-50
0.425	1988	8778	87.78	12.22	10-15
0.075	840	9618	96.18	3.82	<5
Pan	382.0				
Total	10000.0				

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.		
Client	BRUHAT BANGALORE MAHANAGARA PALIKE		
Consultant	M/s Tejus Consultants		
Contractor	Sri.A G Narayana Swamy.		
Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28))			
Date of Testing	09-05-2022		
Layer no. or level	GSB layer		
Depth of hole	150mm		
Field density:	1	2	2
Chainage / Location	noor nagar main Road@55	noor nagar main Road@65	noor nagar main Road@80
Wt. of wet material from hole (Ww) gms.	5987	5970	5990
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10585	10583	10575
Wt. of sand in hole+cone (w3) gms.	4415	4417	4425
Wt. of cone gms.	1080	1080	1080
Wt. of sand gms.	3335	3337	3345
Bulk density of sand (γs)gm/cc	1.32	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.37	2.36	2.36
Moisture meter reading(moisture content)	6.50	6.40	6.40
Result			
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.23	2.22	2.22
MDD	2.25	2.25	2.25
OMC	6.30%	6.30%	6.30%
% compaction obtained	98.89	98.64	98.74
% compaction required	98%	98%	98%

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Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	Bruhat Bengaluru Mahanagara Palike
Consultant	:	TEJUS CONSULTANTS, Basaveshwar Nagar Bangalore
Contractor	:	Sri.A G Narayana Swamy.
Date of Testing	:	12-05-2022
Type of Mix	:	WMM
Sample I/D	:	WMM 1

GRADATION FOR WMM
(As per MORT&H 400-11)

Sample Location:	Slv green appartment Road	Date of Sampling:	11-05-2022
		Date of testing:	12-05-2022
Type of material & Purpose:	WMM	Oven Dry Wt.(gms):	10000.0

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
53	0	0	0.00	100.00	100.00
45	386	386	3.86	96.14	95-100
22.4	1782	2168	21.68	78.32	60-80
11.2	2256	4424	44.24	55.76	40-60
4.75	2015.0	6439	64.39	35.61	25-40
2.36	1388.0	7827	78.27	21.73	15-30
0.6	770.0	8597	85.97	14.03	8.0-22.0
0.075	881.0	9478	94.78	5.22	0-8
Pan	522.0	10000			
Total	10000.0				

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G Narayana Swamy.

AGGREGATE IMPACT VALUE (IS: 2386 Part - 4)

Proposed Use	WMM	**Date of Sampling**	**11-05-2022**
Sample Location	Noor nagar main Road	**Date of Testing**	**12-05-2022**

Sl. No.	Description		Test No.			Spec Limit (%)
			1	2	3	
1	Wt. of stone pieces (dry) passing IS Sieve 12.5mm but retained in IS sieve 10mm (gm)	(Wa)	356.00	374.00	347.00	
2	Wt. of the fraction retained in IS sieve 2.36mm after the impact test (gm)	(Wb)	273.00	281.00	263.00	
3	Wt. of the fraction passed in IS sieve 2.36mm after the impact test (gm)	(Wc)	83.00	93.00	84.00	
4	Aggregate Impact Value (%)	(Wc/Wa)*100	23.31	24.87	24.21	
5	Average Aggregate impact value	(%)	24.13			Max - 30 %

Remarks : ✓ Satisfactory / Not Satisfactory

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Executive Engineer
Project Division
Dasarahalli Zone
Bangalore - 92
Asst.

Consultant's Representative

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Project	Developments works to be under taken in Ward No 03 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagalaru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri A G Narayana Swamy

FLAKINESS AND ELONGATION INDICES (IS 2386, PART 1)

Type of Material	WMM	Proposed Use	WMM
Sample Location	Sly green appartment Road	Date of Sampling	11-05-2023
		Date of Testing	12-05-2023

Size of aggregate		Flakiness Index		Elongation Index	
Passing through IS sieve, mm	Retained on IS sieve, mm	Total wt. of aggregate retained on sieves (A) gms.	Wt. of aggregate passing from Flakiness gauge (B) gms	Wt. of aggregate retained on Flakiness gauge (C) gms	Wt. of aggregate retained on Elongation gauge after retained on Flakiness gauge(D)gms
63.0	50.0	0	0	0	0
50.0	40.0	0	0	0	0
40.0	31.5	0	0	0	0
31.5	25.0	0	0	0	0
25.0	20.0	0	0	0	0
20.0	16.0	649	85	521	75
16.0	12.5	1132	122	978	110
12.5	10.0	775	60	720	57
10.0	6.3	615	65	566	45
Total		3171	332	2785	287

Note: Minimum 200 Pcs should be taken on each fraction of test

Flakiness Index(%):	10.47
Elongation Index(%):	10.31
Combined FI+EL (%)	20.78

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Consultant's Representative

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G Narayana Swamy.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28)

	Date:	**12-05-2022**
Layer no. or level	WMM I layer	
Depth of hole	200mm	
Field density:	**1**	**2**
Chainage / Location	**Noor nagar main road@15**	**Noor nagar main road@30**
Wt. of wet material from hole (Ww) gms.	5991	5978
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10599	10599
Wt. of sand in hole+ cone (w3) gms.	4401	4401
Wt. of cone gms.	1080	1080
Wt. of sand gms.	3321	3321
Bulk density of sand (γs)gm/cc	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.38	2.38
Moisture meter reading(moisture content)	6.30	6.30
Result		
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.24	2.24
MDD	2.27	2.27
OMC	6.10%	6.10%
% compaction obtained	98.68	98.47
% compaction required	98%	98%

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Asst. Executive Engineer, Project Division-92, Yelahanka Zone, BBMP, Bangalore

Consultant's Representative

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Test Report on Compressive strength of Solid Block

Project	Developments works to be under taken in Ward No.66 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Brahat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.A G. Narayana Swamy.
Cross sectional area	90000mm2
Size of cube	400mm x 150mm x 200mm
No. of Block Tested	1
Reference IS code:	IS:2185 (Part 1)- 2005

Sl.No.	Date of Sampling	Date of testing	Area of Cube	Failure load	Compressive strength	Obtained Average compressive strength	Minimum Required compressive strength of individual units
			mm^2	KN	N/mm^2	N/mm^2	N/mm^2
1	16-05-2022	11-06-2021	90000	352.00	4.40	4.29	3.00
2	16-05-2022	11-06-2021	90000	340.00	4.25		
3	16-05-2022	11-06-2021	90000	338.00	4.23		

Asst. Executive Engineer
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Yelahanka Zone
BBMP, Bangalore - 92

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TEST REPORT

Clients	Bruhath Bangalore Mahanagara Palike
Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Consultants	Sri.A G. Narayana Swamy.
Contractor	Sri.A G. Narayana Swamy.
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size	**Proposed Use**	PCC
Sample Location	Noor Nagar cross road	**Date of Sampling**	22-05-2022
		Date of Testing	23-05-2022

IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	75	75	2.50	97.50	95-100
20.00mm	1377	1452	48.40	51.60	30-70
10.00mm	966	2418	80.60	19.40	10-35
4.75mm	476	2894	96.47	3.53	0-5
Pan	106	3000	100.00	0.00	

Remarks : ✓ Satisfactory / Not Satisfactory

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GRADATION FOR GSB
(As per MORT&H 400-1,Grading-II)

Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	:	M/s Tejus Consultants
Contractor	:	Sri.A G Narayana Swamy.
Date of Testing	:	23-05-2022
Type of Mix	:	GSB
Sample I/D	:	GSB1

Sample Location:	Slv green appartment Road	**Date of Sampling:**	22-05-2022	
		Date of testing:	23-05-2022	
Type of material & Purpose:	GSB	**Oven Dry Wt.(gms):**	10000.0	

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
75	0	0	0.00	100.00	-
53	0	0	0.00	100.00	100.00
26.5	2243	2243	22.43	77.57	70-100
9.5	2455	4698	46.98	53.02	50-80
4.75	891	5589	55.89	44.11	40-65
2.36	1201	6790	67.90	32.10	30-50
0.425	1988	8778	87.78	12.22	10-15
0.075	840	9618	96.18	3.82	<5
Pan	382.0				
Total	10000.0				

Asst. Executive Engineer
Project Division
BBMP Bangalore Zone - 2

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GRADATION FOR GSB
(As per MORT&H 400-1,Grading-II)

Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	:	M/s Tejus Consultants
Contractor	:	Sri.A G Narayana Swamy.
Date of Testing	:	23-05-2022
Type of Mix	:	GSB
Sample I/D	:	GSB1

Sample Location:	Slv green appartment Road	**Date of Sampling:**	22-05-2022	
		Date of testing:	23-05-2022	
Type of material & Purpose:	GSB	**Oven Dry Wt.(gms):**	10000.0	

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
75	0	0	0.00	100.00	-
53	0	0	0.00	100.00	100.00
26.5	2243	2243	22.43	77.57	70-100
9.5	2455	4698	46.98	53.02	50-80
4.75	891	5589	55.89	44.11	40-65
2.36	1201	6790	67.90	32.10	30-50
0.425	1988	8778	87.78	12.22	10-15
0.075	840	9618	96.18	3.82	<5
Pan	382.0				
Total	10000.0				

Asst. Executive Engineer
Project Division
Bellahalli Zone
BBMP Bangalore - 82

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri.A G. Narayana Swamy.

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	M sand	**Proposed Use**	PCC
Sample Location	Dwaraka nagar main road	**Date of Sampling**	23-05-2022
		Date of Testing	23-05-2022

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	220	220	7.33	92.67	90 - 100
2.36 mm	315	535	17.83	82.17	75 - 100
1.18 mm	420	955	31.83	68.17	55 - 90
0.600 mm	488	1443	48.10	51.90	35 -59
0.300 mm	748	2191	73.03	26.97	8-30
0.150 mm	620	2811	93.70	6.30	0 - 10
Pan	189	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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Asst. Executive Engineer
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Test Report on Cement

Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri.A G. Narayana Swamy.
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	23-05-2022
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	105 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	464 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G. Narayana Swamy.

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	M sand	Proposed Use	PCC
Location/Source	Dwaraka nagar main road	Date of Sampling	23-05-2022
Period of Soaking	24 hours	Date of Testing	23-05-2022

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	651	638	647	
B	Weight of oven - dry sample gm.	643	630	639	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1684	1676	1681	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.657	2.658	2.651	**2.656**
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.244	1.270	1.252	**1.255**

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BBMP, Bangalore - 92

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Project	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	M/s Tejus Consultants
Contractor	Sri.A G Narayana Swamy.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28))

Date of Testing	23-05-2022		
Layer no. or level	GSB layer		
Depth of hole	150mm		
Field density:	1	2	2
Chainage / Location	Slv green appartment Road@15	Slv green appartment Road@30	Slv green appartment Road@50
Wt. of wet material from hole (Ww) gms.	5996	5979	5980
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10576	10578	10581
Wt. of sand in hole+ cone (w3) gms.	4424	4422	4419
Wt. of cone gms.	1080	1080	1080
Wt. of sand gms.	3344	3342	3339
Bulk density of sand (γs)gm/cc	1.32	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.37	2.36	2.36
Moisture meter reading(moisture content)	6.50	6.40	6.40
Result			
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.22	2.22	2.22
MDD	2.25	2.25	2.25
OMC	6.30%	6.30%	6.30%
% compaction obtained	98.77	98.64	98.75
% compaction required	98%	98%	98%

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4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

Authorised Signatory

Asst. Executive Engineer
Project Division
Yelahanka Zone
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Name of Work	:	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	:	Bruhat Bengaluru Mahanagara Palike
Consultant	:	TEJUS CONSULTANTS, Basaveshwar Nagar Bangalore
Contractor	:	Sri.A G Narayana Swamy.
Date of Testing	:	24-05-2022
Type of Mix	:	WMM
Sample I/D	:	WMM 1

GRADATION FOR WMM
(As per MORT&H 400-11)

Sample Location:	Noor nagar main Road	Date of Sampling:	23-05-2022
		Date of testing:	24-05-2022
Type of material & Purpose:	WMM	Oven Dry Wt.(gms):	10000.0

IS Sieve size in mm	Weight retained	Cummulative weight retained (gm)	Cummulative % of retained	Cummulative % of passing	Specification limits
53	0	0	0.00	100.00	100.00
45	386	386	3.86	96.14	95-100
22.4	1782	2168	21.68	78.32	60-80
11.2	2256	4424	44.24	55.76	40-60
4.75	2015.0	6439	64.39	35.61	25-40
2.36	1388.0	7827	78.27	21.73	15-30
0.6	770.0	8597	85.97	14.03	8.0-22.0
0.075	881.0	9478	94.78	5.22	0-8
Pan	522.0	10000			
Total	10000.0				

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Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G Narayana Swamy.

FLAKINESS AND ELONGATION INDICES (IS 2386, PART 1)

Type of Material	WMM	Proposed Use	WMM
Sample Location	Nove nagar main Road	Date of Sampling	23-05-2022
		Date of Testing	24-05-2022

Size of aggregate		Flakiness Index		Elongation Index	
Passing through IS sieve, mm	Retained on IS sieve, mm	Total wt. of aggregate retained on sieves (A) gms.	Wt. of aggregate passing from Flakiness gauge (B) gms	Wt. of aggregate retained on Flakiness gauge (C) gms	Wt. of aggregate retained on Elongation gauge after retained on Flakiness gauge(D)gms
63.0	50.0	0	0	0	0
50.0	40.0	0	0	0	0
40.0	31.5	0	0	0	0
31.5	25.0	0	0	0	0
25.0	20.0	0	0	0	0
20.0	16.0	648	85	521	75
16.0	12.5	1132	122	978	110
12.5	10.0	775	80	720	57
10.0	6.3	615	65	566	45
Total		**3170**	**332**	**2785**	**287**

Note: Minimum 200 Pcs should be taken on each fraction of test

Flakiness Index(%):	10.47
Elongation Index(%):	10.31
Combined FI+EL (%)	20.78

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Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G Narayana Swamy.

AGGREGATE IMPACT VALUE (IS: 2386 Part - 4)

Proposed Use	WMM	**Date of Sampling**	23-05-2022
Sample Location	Slv green appartment Road	**Date of Testing**	24-05-2022

Sl. No.	Description		Test No. 1	Test No. 2	Test No. 3	Spec Limit (%)
1	Wt. of stone pieces (dry) passing IS Sieve 12.5mm but retained in IS sieve 10mm (gm)	(Wa)	356.00	374.00	347.00	
2	Wt. of the fraction retained in IS sieve 2.36mm after the impact test (gm)	(Wb)	273.00	281.00	263.00	
3	Wt. of the fraction passed in IS sieve 2.36mm after the impact test (gm)	(Wc)	83.00	93.00	84.00	
4	Aggregate Impact Value (%)	(Wc/Wa)*100	23.31	24.87	24.21	
5	Average Aggregate impact value	(%)	24.13			Max - 30 %

Remarks : ✓ Satisfactory / Not Satisfactory

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Project	Developments works to be under taken in Ward no.66 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client	Bruhat Bengaluru Mahanagara Palike
Consultant	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri.A G Narayana Swamy.

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28)

	Date: 24-05-2022	
Layer no. or level	WMM I layer	
Depth of hole	200mm	
Field density:	1	2
Chainage / Location	Slv green appartment Road@50	Slv green appartment Road@75
Wt. of wet material from hole (Ww) gms.	5984	5994
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10594	10590
Wt. of sand in hole+ cone (w3) gms.	4406	4410
Wt. of cone gms.	1080	1080
Wt. of sand gms.	3326	3330
Bulk density of sand (γs)gm/cc	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (γb)=(Ww/w4*(γs))gm/cc	2.37	2.38
Moisture meter reading(moisture content)	6.40	6.20
Result		
FDD(Wt.of the dry material)=(100γb/100+mc)gm/cc	2.23	2.24
MDD	2.27	2.27
OMC	6.10%	6.10%
% compaction obtained	98.33	98.56
% compaction required	98%	98%

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DETERMINATION OF RATE OF SPREAD TACK COAT				
Name of Work :	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.			
Client :	BRUHAT BANGALORE MAHANAGARA PALIKE			
Consultant :	M/s Tejus Consultants			
Contractor :	Sri.A G Narayana Swamy.			
Date of Testing :	25-05-2022			
Type of Mix :	Tack coat			
Sample I/D :	5			
Location :	Thirumenahalli Road			
Determination	**Unit**	**Test No**		
		1	**2**	**3**
Loacation	**Chainage**	**@104**	**@228**	**@334**
Size of Plate (mxm)	Mt	0.30 x .30	0.30 x .30	0.30 x .30
Area of Plate (a)	Sq.mtr	0.09	0.09	0.09
Initial Wt of empty Plate (b)	Kg	0.781	0.805	0.778
Final weight of plate after application of tack Coat (c)	Kg	0.804	0.828	0.801
Weight of tack Coat (d=c-b)	Kg	0.023	0.023	0.023
Rate of spread of tack coat	Kg/sq.m	0.254	0.254	0.254
Average	Kg/sq.m	0.254		
Specified Limit	Kg/sq.m	**0.250 Kg/sq.m**		

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DETERMINATION OF RATE OF SPREAD TACK COAT

Name of Work :	Developments works to be under taken in Ward No.05 of BBMP around Solid Waste Disposal Processing units Bellahalli, Bagaluru and Kattigenahalli Byatarayanapura Constituency.
Client :	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant :	M/s Tejus Consultants
Contractor :	Sri.A G Narayana Swamy.
Date of Testing :	25-05-2022
Type of Mix :	Tack coat
Sample I/D :	6
Location :	SLV Green Appartment road

Determination	Unit	Test No		
		1	2	3
Loacation	**Chainage**	**@58**	**@102**	**@154**
Size of Plate (mxm)	Mt	0.30 x .30	0.30 x .30	0.30 x .30
Area of Plate (a)	Sq.mtr	0.09	0.09	0.09
Initial Wt of empty Plate (b)	Kg	0.728	0.763	0.772
Final weight of plate after application of tack Coat (c)	Kg	0.751	0.786	0.795
Weight of tack Coat (d=c-b)	Kg	0.023	0.023	0.023
Rate of spread of tack coat	Kg/sq.m	0.253	0.252	0.253
Average	Kg/sq.m	0.253		
Specified Limit	Kg/sq.m	**0.250 Kg/sq.m**		

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